

No. 704,626.

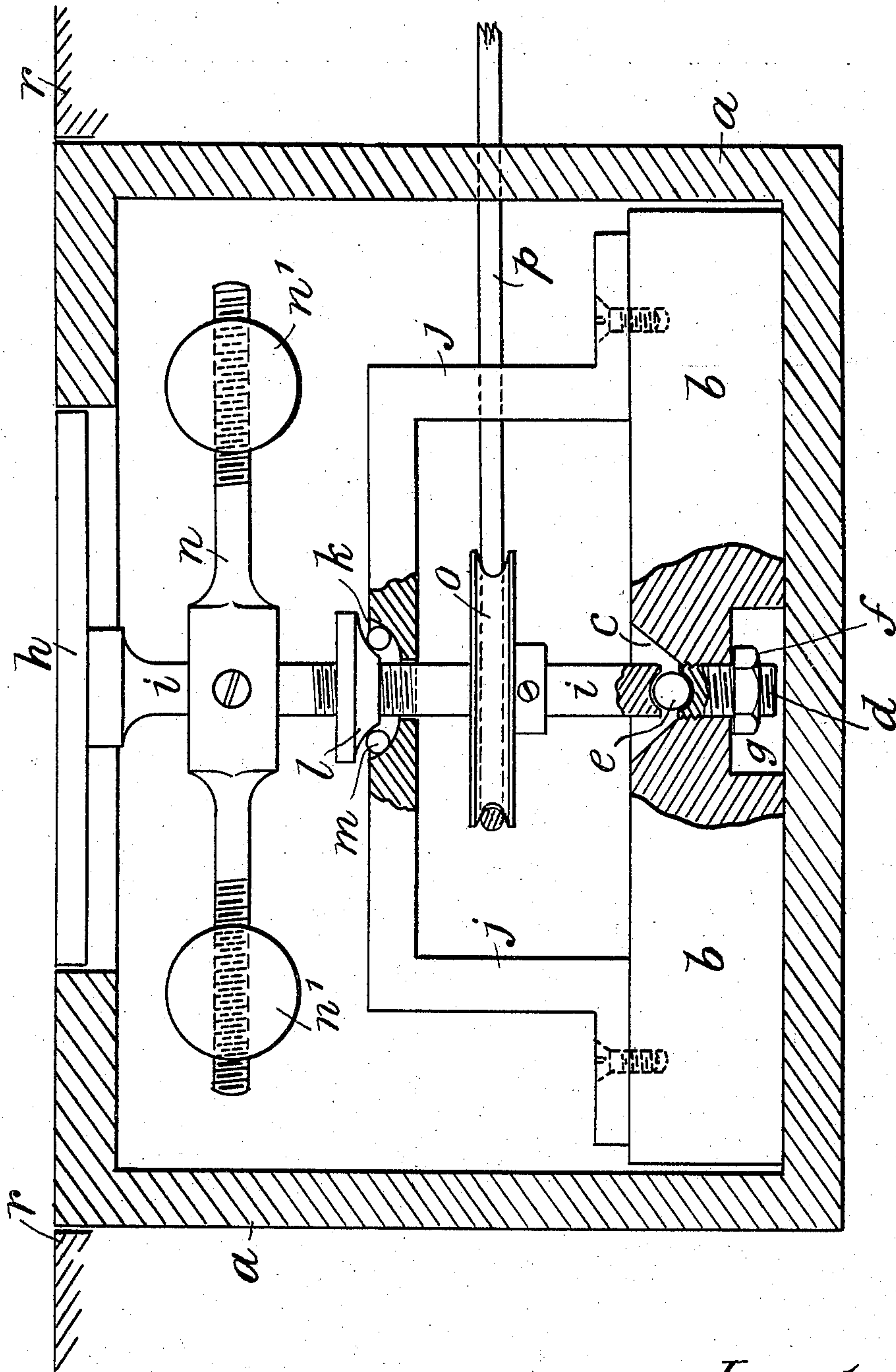
Patented July 15, 1902.

A. FRYERS.

PIVOTAL STAGE OR TURN TABLE.

(Application filed July 11, 1901.)

(No Model.)



Witnesses  
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# UNITED STATES PATENT OFFICE.

AUSTIN FRYERS, OF SYDENHAM, ENGLAND.

## PIVOTAL STAGE OR TURN-TABLE.

SPECIFICATION forming part of Letters Patent No. 704,626, dated July 15, 1902.

Application filed July 11, 1901. Serial No. 67,933. (No model.)

*To all whom it may concern:*

Be it known that I, AUSTIN FRYERS, journalist, a subject of the King of Great Britain and Ireland, residing at "Kirk Lynton," Sydenham Hill Road, Sydenham, in the county of Kent, England, have invented certain new and useful Improvements in Pivotal Stages or Turn-Tables, of which the following is a specification.

10 This invention relates to a pivotal stage or turn-table, having for its object to provide a revolving motion to any person or object standing thereon, and is especially applicable for the use of actors or for producing theatrical or other effects. The said turn-table or platform when used for theatrical purposes is placed in one of the stage-traps, the upper surface of the platform being level with the stage and forming a part of the same.

15 20 The accompanying drawing illustrates a method of carrying out my invention when applied to stage purposes, the view showing a sectional elevation of the apparatus.

25 *a* is a wooden (or it may be a metal) case or box, with an opening in the top containing the apparatus, and *b* is a bed or base of metal or other material for supporting the mechanism.

30 *c* is a conical recess formed in the center of the bed and fitted with a steel screw *d*, provided with a coned bearing to receive a ball *e*, acting as a pivotal support to the platform. The screw *d* is adjusted and fixed by the nut *f*, held in the recess *g*, to permit of its being turned.

35 40 *h* is the platform or turn-table, and *i* a steel shaft for supporting the same. This shaft is held in a vertical position by means of a bridge-piece *j*, fixed to the base *b* and provided with a ball-race *k*, of hardened steel, forming, with the cone *l*, screwed on the shaft, and balls *m*, an antifriction-bearing for the shaft in addition to the lower bearing.

*n* is a balance or fly wheel fitted to the shaft and having adjustable balls *n'* for maintaining the revolving impetus given to the platform either by the performer thereon or by another operator. The shaft may be also fitted with a pulley *o*, whereby it can be operated by means of a cord *p* from any convenient place underneath the stage.

The platform is made of wood, metal, or any suitable material and is level with the top of the case *a*, which latter may be placed in one of the stage-traps, its upper surface being likewise level with the stage *r*.

The invention is especially applicable for the use of dancers requiring to exhibit and maintain revolving motions on a vertical axis; but it is likewise applicable to other requirements or cases in which a pivotal revolving action is desired to be maintained for any length of time.

Having now fully described the nature of my said invention, what I claim, and desire to secure by Letters Patent, is—

In a pivotal stage or turn-table the combination of a platform carried by a vertical shaft, a base fitted with an adjustable bearing supporting the lower end of the shaft, a bridge-piece fixed to the base and fitted with a ball-race acting as a horizontal bearing to the shaft, a balance provided with adjustable weights and fitted to the shaft, a pulley also fixed to the shaft for operating the same, and an open-top box or case containing the apparatus, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

AUSTIN FRYERS.

Witnesses:

ALEXANDER B. MACINTOSH,  
EUSTACE H. BARKER.